

## Solving Systems of Equations by Substitution

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each system by substitution.**

$$\begin{array}{l} 1) \ y = 6x - 11 \\ \quad -2x - 3y = -7 \end{array}$$

$$\begin{array}{l} 2) \ 2x - 3y = -1 \\ \quad y = x - 1 \end{array}$$

$$\begin{array}{l} 3) \ y = -3x + 5 \\ \quad 5x - 4y = -3 \end{array}$$

$$\begin{array}{l} 4) \ -3x - 3y = 3 \\ \quad y = -5x - 17 \end{array}$$

$$\begin{array}{l} 5) \ y = -2 \\ \quad 4x - 3y = 18 \end{array}$$

$$\begin{array}{l} 6) \ y = 5x - 7 \\ \quad -3x - 2y = -12 \end{array}$$

$$\begin{array}{l} 7) \ -4x + y = 6 \\ \quad -5x - y = 21 \end{array}$$

$$\begin{array}{l} 8) \ -7x - 2y = -13 \\ \quad x - 2y = 11 \end{array}$$

$$\begin{array}{l} 9) \ -5x + y = -2 \\ \quad -3x + 6y = -12 \end{array}$$

$$\begin{array}{l} 10) \ -5x + y = -3 \\ \quad 3x - 8y = 24 \end{array}$$

$$\begin{array}{l} 11) \ x + 3y = 1 \\ \quad -3x - 3y = -15 \end{array}$$

$$\begin{array}{l} 12) \ -3x - 8y = 20 \\ \quad -5x + y = 19 \end{array}$$

$$\begin{array}{l} 13) \ -3x + 3y = 4 \\ \quad -x + y = 3 \end{array}$$

$$\begin{array}{l} 14) \ -3x + 3y = 3 \\ \quad -5x + y = 13 \end{array}$$

$$\begin{array}{l} 15) \ 6x + 6y = -6 \\ \quad 5x + y = -13 \end{array}$$

$$\begin{array}{l} 16) \ 2x + y = 20 \\ \quad 6x - 5y = 12 \end{array}$$

$$\begin{array}{l} 17) \ -3x - 4y = 2 \\ \quad 3x + 3y = -3 \end{array}$$

$$\begin{array}{l} 18) \ -2x + 6y = 6 \\ \quad -7x + 8y = -5 \end{array}$$

$$\begin{array}{l} 19) \ -5x - 8y = 17 \\ \quad 2x - 7y = -17 \end{array}$$

$$\begin{array}{l} 20) \ -2x - y = -9 \\ \quad 5x - 2y = 18 \end{array}$$